

27 JAN 1981

MEMORANDUM FOR: Deputy Chief, Special Projects Staff,
ODP

FROM:

Chief, Headquarters Engineering Branch,
RECD/OL

SUBJECT: Project Safe Electrical Power

REFERENCE: Memo fr DC/SPS/ODP to C/HEB/RECD/OL,
same subj., dtd 16 Jan 81, SPS-E04-81

1. The reference requests a verification of the availability of electrical power for project Safe. The present status is as follows.

a. Safe Computer Facility

Present planning calls for 1200KVA of generator backed UPS power (upon completion of Phase II of the project).

b. Data Terminals

(1) In anticipation of a 1000KVA aggregate data terminal load with unknown distribution, some segments of the building electrical system are being expanded as part of the Safe construction project. It is anticipated that approximately 1000KVA of data terminal load can now be connected without further system level expense. This number may be more or less and is dependent on the final terminal power configuration and geographic distribution. Planning for connection of individual data terminals will start when locations and funds are identified. No limitations on outlet types or numbers are presently anticipated. Dedicated circuits from the local power panel boards can be installed.

(2) The percentage of data terminals which will be picked up by the Headquarters emergency generator system (which Safe has partially funded)

OL 1 0296

DC/SPS/ODP

Page 2

will depend on a number of variables such as terminal geographic distribution, electrical circuiting, and the weather. More emergency power would be used for air conditioning during warm weather and therefore, less electrical power would be generally available in the main building. In regard to your question about whether or not the Safe power system is dedicated back to the power source; the answer is no. The cost and space requirements for such an installation would be prohibitive.

(3) HEB engineers cannot provide a response to the question regarding need for dedicated circuits to the terminals without knowing the terminal vendor's power quality specifications.

2. For further information, please contact [redacted]

Distribution:

Orig - Adse

- 1 - OL/RECD/HEB Official
- 1 - OL/RECD/HEB Chrono
- 1 - OL Reader

OL/RECD/ [redacted]

(28 January 81)